■ Notice:

○ Voltage and wave-form at each point can be adjusted using an universal meter and an oscillograph under the following conditions, the sensitivity of receiver is enough to receive a colour bar signal (from the highest point of syn. signal to white peak is 0.825 Vp-p and modulation depth is 85%).

The value in the bracket ( ) is the voltage for receiving B/W signal.

The value in the circuit after adjusting will be slight different from the original, so these values are only for reference. The inter-resistance of the applied universal meter is 20KΩ/V. D. C. The all values given are DC voltages.

The sweep time of oscillograph is as follows :

Horizontal ⟶ 20 μs/div.

Vertical ⟶ 5ms/div.

Others ⟶ in accordance with the stipulated sweep speed.

○ This schematic diagram is a standard schematic diagram. For promote reason the circuit and its values are subject to change without notice.

■ The precaution for safety and stability

○ FR is the abbreviation of fusing resistor (⏦) to use for the fuse. When replacing the fuse, fusing resistor and shadow section ( ), it must be used the stipulative parts for the, saftey guarantee.

○ Due to ensure the highest reliability and features, all other replaced parts must be accordance with the stipulation.

■ Annotation of schematic diagram

○ Except other stipulation, all of the unit of the parts must accordance with the following stipulation.

Resistor: (Ω) (K→KΩ, M→MΩ), 1/4 (W) carbon film resistor

Capacitor: 1 or > 1 → (PF), < 1→(μF), working voltage→ 50 (V), ceramic capacitor.

Inductance: (μH)

Electrolytic capacitor: capacitor value (μF)/ working voltage(V) NF→no polarity (double polarity) electrolytic capacitor As for the detail list of the parts, please see the parts list of the [illegible]

⊙ The marks shows the connected position of the inspecting point. HZ shows the value of cycle per sec.

≒ primary grounded

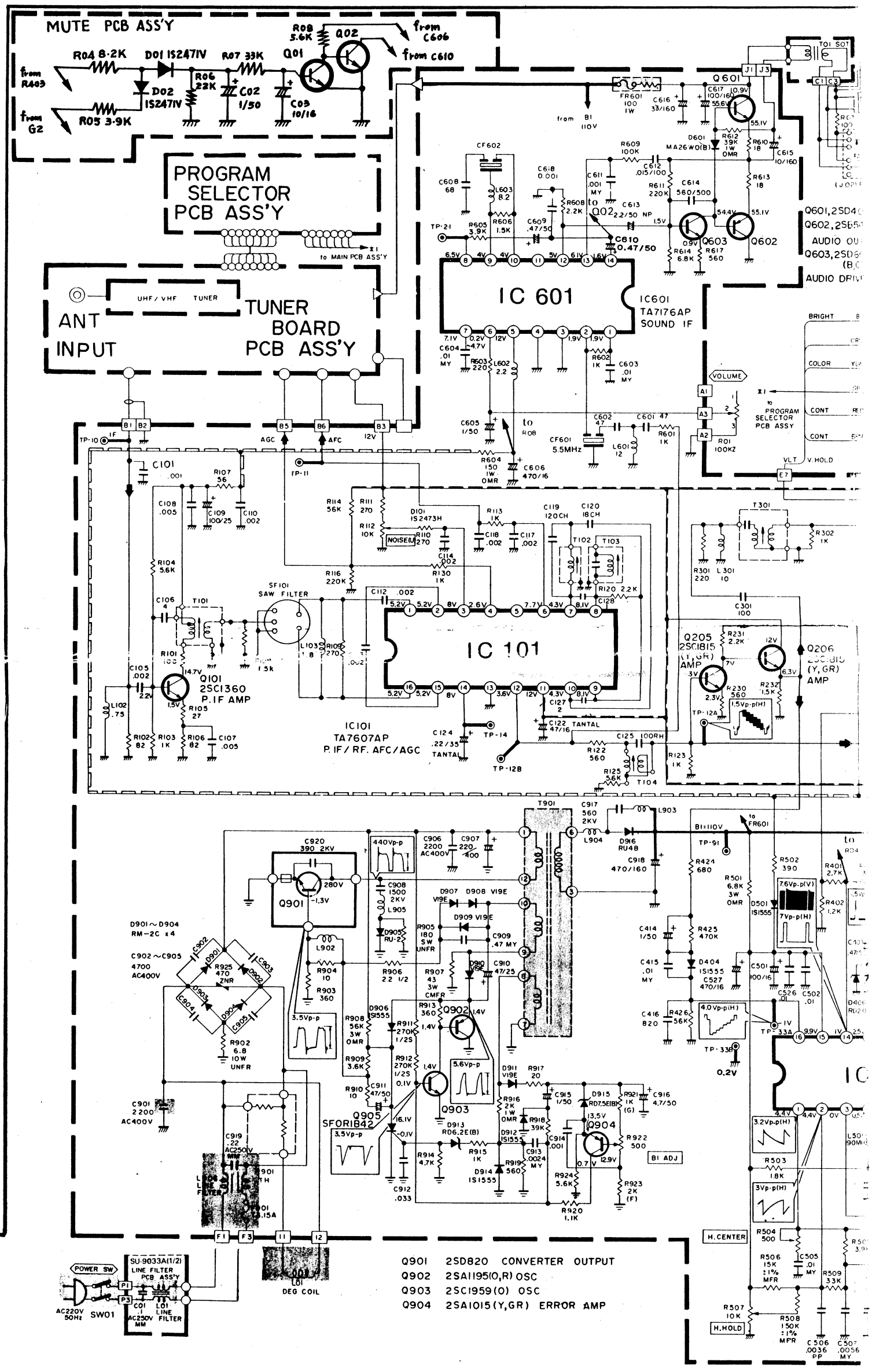
⏥ secondary grounded

■ The list of parts No. (The parts of shadow section in the schematic diagram.)

Symbol No.	Parts No.	Parts Name
SU-1702A	(MAIN PCB ASS'Y)	
FR1401	QRH021J-101M	FR
FR1601	QRH017J-101M	FR
T1901	CE40514-00A	SW Transf.
C1901	QCZ9011-222	C Cap.
F1901	QMF51A2-3R15S	Fuse
C1919	QFZ9017-224M	MM Cap.
L1906	CE40594-00A	Line Filter
SU-3111A	(CRT SOCKET PCB ASS'Y)	
	CE40001-001	CRT Socket
SU-7521A	(TUNER BOARD PCB ASS'Y)	
FR7501	QRH017J-4R7M	FR
OUTSIDE OF THE PCB ASS'Ys		
V01	37SX101Z	Picture Tube
L01	A39477-T	Degausing Coil
R02	CJ49508-00A	Focus Resistor
SW01	CEX40097-003	Power Switch
T503	CJ26189-00B	Flyback Transf.
	QMP7100-250R	Power Cord

■ B1 Voltage (110V) adjustment

Use a precious voltmeter to adjust B1 voltage. If adjusting B1 too higher, the parts would be damaged. When using a simple voltmeter, it must be adjusted before.

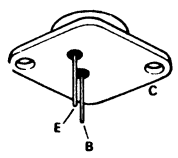


V SCHEMATIC DIAGRAM

■ The connecting diagram of transistor and IC.

2SC1815(Y,GR)
2SC1360
2SA844(C)
2SA673(C)
2SA1015(Y,GR)
2SC1959(O)
2SC458(C)

2SC454(B,C)

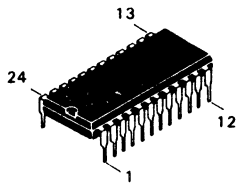


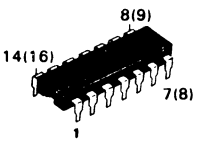
2SD820
2SD869

2SD1138(C)
2SC1507(K,L)
2SD401A(L)
2SB546A(L)

2SC1514VC
2SD478

2SD668A(C)
2SB648A(C)
2SA1021(Y)





IC
μPC574J

IC 301 TA7193AP CHROMA
GAIN BALANCE

Q101 2SC1514VC B.OUT
Q102 2SC1514VC R.OUT
Q103 2SC1514VC G.OUT
B.CUT OFF
R.DRIVE
R.CUT OFF
G.DRIVE
G.CUT OFF

VOI 37SX101Z PICTURE TUBE
CRT SOCKET
SU-3111A CRT SOCKET PCB ASS'Y

Q201 2SC1815(GR) PEDESTAL CLAMPER
Q202 2SC1815(GR) D202 1st VIDEO AMP
Q203 2SA844(C) 2nd VIDEOAMP
Q204 2SA673(C) 3rd VIDEO AMP
Q301 2SA844(C) DL AMP
Q401 2SD1138(C) VERT. OUTPUT
Q402 2SD1138 (C) VERT. OUTPUT
Q501 2SC1507 (K,L) HOR. DRIVE
Q502 2SD869 HOR. OUTPUT
Q701 2SA1015(Y.GR) X-RAY PROTECTOR

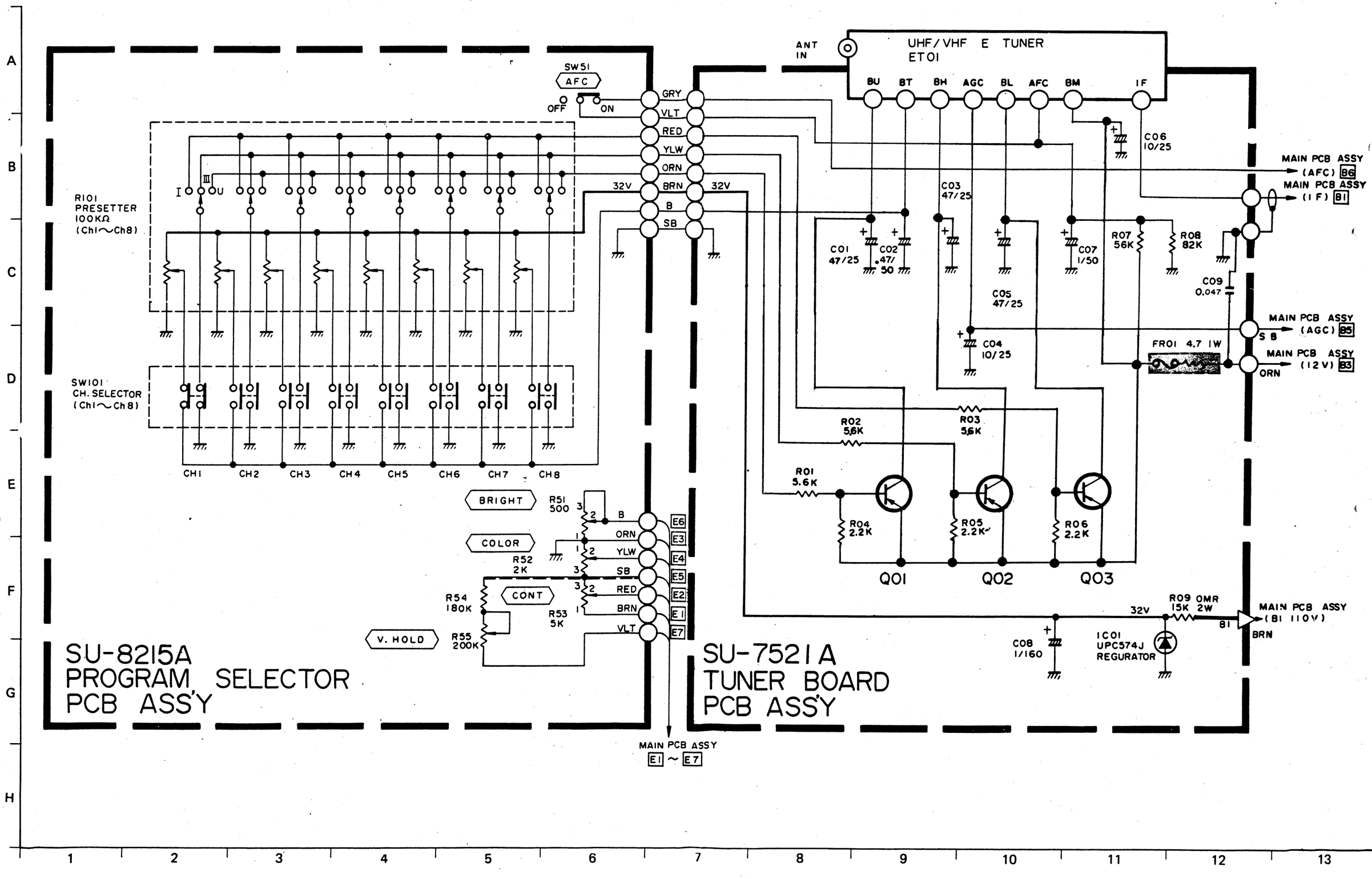
IC 501
IC501 TA7609P VERT SEP. VERT. HOR.OSC

SU-1702A MAIN PCB ASS'Y

A B C D E F G H I J

7 8 9 10 11 12 13 14 15 16

Program selector diagram



H

1 2 3 4 5 6 7 8 9 10 11 12 13

H

The diagram for the back of main PCB ass' y